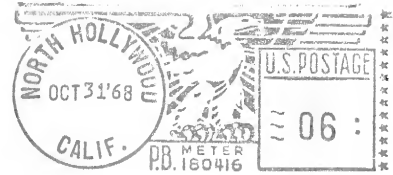


infonics, inc.

11650 WEST OLYMPIC BOULEVARD
LOS ANGELES, CALIFORNIA 90064



Mr. J. Nelson, Syst.
Schooleys Mountain
N. J. 07870

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infonics, inc.

**REEL-TO-CASSETTE DUPLICATOR
MODELS RC-2 AND RC-4**

**CASSETTE SLAVE DUPLICATOR
MODELS CS-2 AND CS-4**

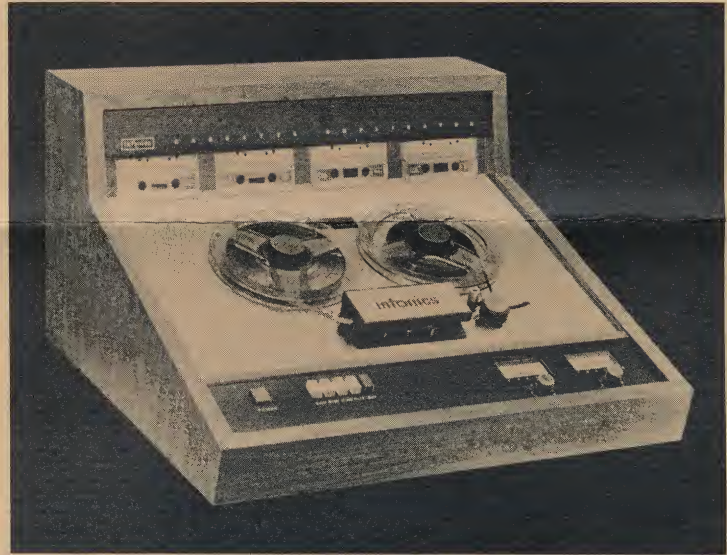
CASSETTE TAPE DUPLICATOR

HIGH SPEED — LOW PRICE

4 ONE-HOUR CASSETTES

EVERY 4 MINUTES —

SLAVE PRODUCES 8 MORE



Performance

In a pioneering engineering achievement, Infonics, Inc. now makes it possible to duplicate cassettes effortlessly at high speed. The new RC Infonics Tape Duplicator, a compact, beautifully styled instrument with wood-grain finished cabinetry, is now in quantity production.

The slant portion of the equipment is occupied by a high-performance, high-speed reel-to-reel tape transport for the master tape, which is recorded at 3-3/4 i.p.s. The four blank cassettes are inserted into the cassette panel of the machine.

After setting the gain controls for mid-scale reading on the VU meters, the entire system is ready for duplication. By pressing two interlocked push buttons, both the master tape and all four cassettes are put into high-speed motion, the master tape at 30 i.p.s. and the cassettes at 15 i.p.s.

For a typical C-60 one-hour cassette, the entire duplicating process, in which all tracks are duplicated simultaneously, takes only four minutes. A C-120 two-hour cassette takes eight minutes. The master tape transport senses the end of the master tape and shuts the entire instrument off.

For greatest duplicating efficiency, the master tape should be duplicated tails-out, or end first; this makes it unnecessary to rewind the cassettes, which come off the duplicator ready to play. The master tape can then

be rewound on the high-speed master tape transport to prepare for another cycle of duplication.

The Infonics Reel-to-Cassette Duplicator comes in two basic models: Model RC-2 is used to duplicate quarter-inch 2-track master tapes onto cassettes, while Model RC-4 produces 4-track cassettes from a 4-track master.

Since the cassette format is 2-track/4-track compatible, a Model RC-4 can be used to duplicate the 2-track format as well. All models duplicate four complete one-hour cassettes every four minutes, or an average of one cassette per minute. They provide the utmost in operating simplicity and convenience. An unskilled clerk or a young student can be trained to operate them in fifteen minutes.

Cassette Slave Duplicator

To expand the duplicating capacity of the Infonics RC Duplicator, one or more slave duplicators may be electrically connected to the RC master machine. Each CS Cassette Slave Duplicator makes an additional eight cassettes. With a system consisting of one master and two slave machines, therefore, a total of twenty cassettes can be produced every four minutes, which is equivalent to 2000 every eight hours, or 6000 cassettes in a 24-hour day.

The slaves also come in 2-track and 4-track versions: Model CS-2 is a 2-track slave, while Model CS-4 is the

4-track version. The slaves are electrically linked to and synchronized with the master duplicator, so that no further adjustment is required to operate the slave.

Transport Mechanisms

The master reel-to-reel tape transport on the RC Duplicator is a rugged, high-quality, high-speed tape transport. It has a hysteresis synchronous capstan motor and two torque motors. The cassette transports are individually driven by heavy-duty, synchronous motors in complete time lock with the master transport. Heavy-duty solenoids bring the cassette heads into contact with the cassette tape when the duplicating command is given.

Electronics

The Duplicator features sophisticated, wide-band electronics for the ultimate in frequency response possible with cassettes. Constructed of heavy-duty, reliable all-silicone solid-state transistor circuitry, mounted on etched circuit boards, the amplifiers provide frequency response to 10,000 Hz. on the duplicated cassettes. A bias frequency of 500,000 Hz. is used. Playback amplifiers, record amplifiers, the bias oscillator and mixer, and the power supply are all mounted on individual printed circuit boards.

Controls and Meters

A separate VU meter and gain control is provided for each track being duplicated. Push buttons control all functions, allowing the master tape to be played for adjustment of the gain controls without engaging the cassette transports. Fast-forward, fast-rewind and stop push buttons are provided on the master transport.

To begin duplication, the red DUP button and the black PLAY button are depressed simultaneously, thus providing interlocked safety to guard against inadvertently engaging the cassette transports. It is impossible to erase the master tape by accident, since the duplicator has no erase heads.

Cabinet

The beautiful wood-grain finished cabinet houses the duplicator mechanism. The slant panel containing the reel-to-reel master transport has a gleaming stainless steel top plate, with the operating controls and VU meters conveniently mounted closest to the operator. A hinged head cover is provided which can easily be retracted to allow the cassette heads to be cleaned.

The entire duplicator is constructed for maximum accessibility and serviceability. In case of necessity, it is easy to replace an entire cassette transport or any one of the printed circuit boards.

ENGINEERING SPECIFICATIONS

Description	Reel-to-reel master, 4 duplicate cassettes	Slave producing 8 additional cassettes
Model and track format	RC-2 (2-track) RC-4 (4-track)	CS-2 (2-track) CS-4 (4-track)
Number of duplicates	4	8
Total duplicating time for all 1-hour cassettes	4 minutes	4 minutes
Master duplicating speed	30 ips	---
Cassette duplicating speed	15 ips	15 ips
Master recording speed	3¾ ips	---
Cassette playing speed	1 7/8 ips	1 7/8 ips
Master tape reel size	7" maximum	---
Cassette frequency response	20-10,000 Hz ± 3 db	20-10,000 Hz ± 3 db
Signal-to-noise ratio	Better than 45 db	Better than 45 db
Wow and flutter	0.3% r.m.s.	0.3% r.m.s.
Dimensions, equipment	22½ x 24 x 13½ in.	22½ x 15 x 21½ in.
Dimensions, shipping container	25 x 30½ x 20½ in.	25 x 30½ x 20½ in.
Weight, equipment	95 lbs.	90 lbs.
Weight including container	115 lbs.	110 lbs.
One-year warranty:	See warranty card	

infonics, inc.

11650 West Olympic Boulevard • Los Angeles, California 90064 • (213) 477-1561

MEMO FROM . . .

PAULA NELSON

Because of your interest in the Infonics Cassette Tape Duplicator, you will want to read this new, complete data sheet.

The RC Duplicators are now being shipped in quantity and I suggest that you place your order now.

Sincerely,
Paula Nelson